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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/996,202	11/28/2001	Chin-Ti Chen	08919-053001	1265
26161	7590	05/05/2004	EXAMINER	
FISH & RICHARDSON PC 225 FRANKLIN ST BOSTON, MA 02110			THOMPSON, CAMIE S	
		ART UNIT	PAPER NUMBER	
			1774	

DATE MAILED: 05/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/996,202	CHEN ET AL.
	Examiner	Art Unit
	Camie S Thompson	1774

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-9 and 11-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-5,7,8,11,15-17,19 and 20 is/are rejected.
- 7) Claim(s) 6,9,12-14 and 18 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

DETAILED ACTION

1. Applicant's amendment and accompanying remarks filed February 25, 2004 have been acknowledged.
2. Examiner acknowledges amended claims 1, 4 and 15.
3. Examiner acknowledges cancelled claim 10.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

5. Claims 5, 7-8, 11 and 20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 5 is indefinite because it is not commensurate within the scope of claim 4 from which it depends. Claim 4 recites that the alkyl moiety has one or more substituted C₁₋₆ alkyl whereas claim 5 recites an unsubstituted C₁₋₆ alkyl.

Claim 7 is indefinite because it is not commensurate within the scope of claim 4 from which it depends. Claim 4 does not disclose t-butyl as a substituent.

Claim 8 is indefinite because it is not commensurate within the scope of claim 4 from which it depends. Claim 4 does not disclose trifluoromethyl as a substituent.

Claim 11 is indefinite because it is not commensurate within the scope of claim 1 from which it depends. Claim 1 does not disclose a trifluoromethyl as a substituent.

Claim 20 is indefinite because it is not commensurate within the scope of claim 15 from which it depends. Claim 15 does not disclose a trifluoromethyl as a substituent.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

7. Claims 1-6, 15-17 and 19 are rejected under 35 U.S.C. 102(a) as being anticipated by WO00/03565.

The patent discloses an organic light-emitting device comprising a first and second electrode and an organic stack disposed between the first and second electrodes. The patent further discloses an organic layer comprising organic compounds with tetrahedral shaped core structures (see pages 6-8. Page 11 of the WO0003565 reference discloses a tetrahedral shaped structure that reads on instant claims 1-7, 15-17 and 19 (see line 15 on page 11). The tetrahedral shaped structure on page 11, line 15 of the reference reads on the claims when A is oxygen and B is nitrogen and R⁵ is an aryl group as per instant claim 2. When R⁵ of the reference is and unsubstituted aromatic ring as the compound on page 11, the reference reads on instant claims 5-8. Page 5 of the reference also discloses that the light-emitting device comprises a hole-

transporting layer as per instant claim 15.

8. Claims 9, 12-14, 18 and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

9. Applicant's arguments filed February 25, 2004 have been fully considered but they are not persuasive. Applicant argues that the compound in the WO 00/03565 reference is different from the compounds recited in instant claims 1 and 15. Amended claims 1 and 15 disclose that R⁵ can be an aryl alkyl in which the alkyl moiety is one or more substituted C₁₋₆ alkyl groups, which does not discount t-butylphenyl. The t-butyl group is a C₄ alkyl group. The instants do not discount branched alkyl groups. The rejection is maintained.

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Camie S. Thompson whose telephone number is (571) 272-1530. The examiner can normally be reached on Monday through Friday from 7:30 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia H. Kelly, can be reached at (571) 272-1526. The fax phone number for the Group is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CYNTHIA H. KELLY
BY PATENT EXAMINER
TECHNOLOGY CENTER 1700

